

X Sch/EN/1

CLAIMS

1. Stairlift, comprising:
a main frame;
support means for supporting this main frame
such that it is movable along a support rail which is
5 arranged at some height thereabove along a staircase;
a first electric motor for moving the main
frame along the support rail; and
an auxiliary frame supported by the main frame
for carrying a chair, for example a wheelchair, via a
10 support platform such that the auxiliary frame is movable
and fixable relative to the main frame by three auxiliary
electric motors in two rotation degrees of freedom and
one translation degree of freedom.
2. Stairlift as claimed in claim 1, wherein the
15 first rotation degree of freedom is intended for up and
downward pivoting of the auxiliary frame on a first, at
least more or less horizontally extending axis.
3. Stairlift as claimed in claim 1, wherein the
second rotation degree of freedom is intended for
20 pivoting the auxiliary frame round a second axis
extending substantially transversely of the rail and at
least more or less in horizontal direction.
4. Stairlift as claimed in claims 2 and 3,
wherein the first and the second axis are at least more
25 or less intersecting.
5. Stairlift as claimed in claim 1, wherein the
translation degree of freedom is intended for moving the
auxiliary frame up and downward.
6. Stairlift as claimed in claim 1, wherein the
30 three said degrees of freedom are mutually independent.
7. Stairlift as claimed in claim 1, comprising
a battery.
8. Stairlift as claimed in claim 1, wherein on
at least one end of the support rail is placed a terminal

for a charging device which can co-act with a complementary terminal which is present on the stairlift and which is connected to the battery for charging the battery in the coupled state of said terminals.

5 9. Stairlift as claimed in claim 1, wherein the first electric motor drives a toothed wheel which can co-act with a toothing arranged on the support rail, for example a cardan fixed chain supported thereby.

10 10. Stairlift as claimed in claim 1, comprising a central control unit for operating by a user.

11. Stairlift as claimed in claim 10, wherein the central control unit is of the self-learning type.
